



**INTERCOLLEGIATE  
BROADCASTING  
SYSTEM**

1117 Buckley Road  
Liverpool, New York 13088

Nov. 4, 1965

Mr. Theodore Parks  
Chief Engineer WSUA  
State University of New York  
Albany, New York

Dear Mr. Parks:

Upon looking over your plans one question came into my mind, how do you get into the news room? Enclosed is another idea of a more efficient use of your area: with this setup you could, if Studio A was a combo studio, run four different programs at once originating from your studios (two men are required in Master Control). You could also use tape recorders and remote lines for more if the Master Control console could handle it. Election coverage is an example of a time when the full facilities could be used as then you would be getting "beep" phone reports etc.

Enclosed are pictures of Lehigh University's layout. They run a two station operation 24 hours a day. If you have any questions about it let me know, I was Chief Engineer there for two years. (I designed and built the Studio Two console). If you are ever down there you might stop in and visit them.. Their Master Control has a six channel preset switching console (enclosed is a schematic of one channel). It has ten inputs (the four studios, tape, remotes, and three line inputs). In operation the next output to be put on the channel is preset and then at the proper moment the take button is hit and the unit switches. Studios two and three can also actuate the "take" mechanism so an Engineer is not required at Master Control to get on the air. The switching time is less than  $\frac{1}{2}$  a second. If you are planning to do any of your own construction you could build this kind of thing. Otherwise RCA used to make this kind of thing but I don't know if they still do.

The layout enclosed is just to give you a idea of a well designed setup with room for expansion. I have tried to keep all the studios away from outside walls to keep outside noises out so as to make sound proofing easier. The sound locks are to make it so people can go in and out of the studios while they are on the air. Think this over for a while and then if you have any questions I will be glad to answer them. I will be in South America until the twentysecond so take your time.

Sincerely yours,

*George F. Eustis Jr.*  
George F. Eustis Jr.  
Engineering Manager



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WSUA studios notes

Extra air conditioning (cooling or outside air in Winter)  
in rooms with electrical <sup>equipment</sup> (control rooms and shop)

Exhaust fans from racks in shop and Master Control to outside

No air conditioning outlets within six feet of each other  
in the studio area. Ducts should be lined with sound adsorbing  
material for at least ten feet from studio ~~ducts~~ <sup>outlets</sup>

Control Rooms raised about 18" above other studios

Studio C and news booth can do programs to either ~~studio~~  
(control room)

The News room could be used for a studio & put the teletype  
machine in a sound proof box) or the end could be closed off  
and made into a studio.

The trenches make it much easier and add flexibility to  
run wires around the studios, they should have flush covers  
(like the types used in transformer vaults)

The walls in the studio area should be of the double  
floating type with insulation between them and the windows  
should be double plate glass between studios.